

In The Claims:

1. (Cancel)

2. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein generating a reverse direction signal comprises generating a reverse direction signal from a shift lever.

3. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein generating a reverse direction signal comprises generating a reverse direction signal from a push button.

4. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein generating a reverse direction signal comprises generating a reverse direction signal from a transmission controller.

5. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein generating a reverse direction signal comprises generating a reverse direction signal from a wheel speed sensor.

6. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein applying brake-steer in response to the forward direction signal comprises applying at least one brake at a first wheel to reduce ~~[[a]]~~ the vehicle turning radius.

7. (Currently Amended) A method ~~as recited in claim 1~~ wherein applying brake-steer in response to the forward direction signal comprises of controlling an automotive vehicle comprising:

determining a forward direction of the vehicle and generating a forward direction signal;

determining a reverse direction of the vehicle and generating a reverse direction signal;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes and by applying an increased drive torque

to a second wheel relative to a first wheel in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce the turning radius of the vehicle beyond that corresponding to the steering input by the application of brakes in response to the reverse direction signal as a function of a second threshold different than the first threshold.

8. (Currently Amended) A method as recited in claim 1 wherein applying brake-steer in response to the forward direction signal comprises controlling an automotive vehicle comprising:

determining a forward direction of the vehicle and generating a forward direction signal;

determining a reverse direction of the vehicle and generating a reverse direction signal;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes and increasing normal load on at least one wheel by modifying a suspension component, wherein brake-steer is applied in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce the turning radius of the vehicle beyond that corresponding to the steering input by the application of brakes in response to the reverse direction signal as a function of a second threshold different than the first threshold.

9. (Currently Amended) A method as recited in claim [[1]] 17 wherein generating a forward direction signal comprises generating a forward direction signal from a shift lever.

10. (Currently Amended) A method as recited in claim [[1]] 17 wherein generating a forward direction signal comprises generating a forward direction signal from a push button.

11. (Currently Amended) A method as recited in claim [[1]] 17 wherein generating a forward direction signal comprises generating a forward direction signal from a transmission controller.

12. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein generating a forward direction signal comprises generating a forward direction signal from a wheel speed sensor.

13. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein applying brake-steer in response to the reverse direction signal comprises applying at least one brake at a first wheel to reduce the vehicle turning radius.

14. (Currently Amended) A method ~~as recited in claim 1 wherein applying brake-steer in response to the reverse direction signal comprises~~ of controlling an automotive vehicle comprising:

determining a forward direction of the vehicle and generating a forward direction signal;

determining a reverse direction of the vehicle and generating a reverse direction signal;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce the turning radius of the vehicle beyond that corresponding to the steering input by applying brakes and by applying an increased drive torque to a second wheel relative to a first wheel in response to the reverse direction signal as a function of a second threshold different than the first threshold.

15. (Currently Amended) A method ~~as recited in claim 1 wherein applying brake-steer in response to the reverse direction signal comprises~~ of controlling an automotive vehicle comprising:

determining a forward direction of the vehicle and generating a forward direction signal;

determining a reverse direction of the vehicle and generating a reverse direction signal;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes and increasing normal load on at least one wheel by modifying a suspension component, wherein brake-steer is applied in response to the reverse direction signal as a function of a second threshold different than the first threshold.

16. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 wherein the second threshold is less than the first threshold.

17. (Currently Amended) A method ~~as recited in claim 1 wherein the~~ of controlling an automotive vehicle comprising:
determining a forward direction of the vehicle and generating a forward direction
signal;

determining a reverse direction of the vehicle and generating a reverse direction
signal;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by the application of brakes in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce the turning radius of the vehicle beyond that corresponding to the steering input by the application of brakes in response to the reverse direction signal as a function of a second threshold is greater than the first threshold.

18. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 further comprising determining a steering wheel angle and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and steering wheel angle.

19. (Currently Amended) A method as recited in claim ~~[[1]]~~ 17 further comprising determining a yaw rate and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and said yaw rate.

20. (Currently Amended) A method ~~as recited in claim 1 further comprising~~
A method of controlling an automotive vehicle comprising:
determining a forward direction of the vehicle and generating a forward direction

signal;

determining a reverse direction of the vehicle and generating a reverse direction signal;

determining a steering wheel torque;

applying brake-steer to reduce a turning radius of the vehicle beyond that corresponding to a steering input by the application of brakes in response to the forward direction signal as a function of a first threshold; and

applying brake-steer to reduce the turning radius of the vehicle beyond that corresponding to the steering input by the application of brakes in response to the reverse direction signal as a function of a second threshold different than the first threshold, and wherein applying brake-steer in response to the forward direction or reverse direction comprises applying brake-steer in response to the reverse direction signal and steering wheel torque.

21. (Currently Amended) A method as recited in claim [11] 17 further comprising determining a steering wheel angle and a vehicle velocity and wherein applying brake-steer comprises applying brake-steer in response to the reverse direction signal and steering wheel angle and vehicle velocity.

22. (Cancel)

23. (Currently Amended) A system as recited in claim ~~22~~ 25 wherein said controller is programmed to brake-steer by applying a first brake and a second brake to reduce the turning radius of the vehicle.

24. (Currently Amended) A system as recited in claim ~~22~~ 25 wherein said controller is programmed to brake-steer by applying at least one brake at a first wheel to reduce ~~[[a]] the vehicle turning radius.~~

25. (Currently Amended) ~~A system as recited in claim 22 wherein said controller is programmed to brake-steer~~ A vehicle comprising:

means to determine a forward direction and generate a forward direction signal;

means to determine a reverse direction and generate a reverse direction signal;

and

a controller coupled to the means to determine a forward direction and the means to determine a reverse direction, said controller programmed to apply brake-steer to

reduce a turning radius of the vehicle beyond that corresponding to a steering input by applying brakes and by applying an increased drive torque to a second wheel relative to the first wheel in response to the forward direction signal as a function of the first threshold and apply brake-steer to reduce the turning radius of the vehicle beyond that corresponding to a steering input by the application of brakes in response to the reverse direction signal as a function of the second threshold different than the first threshold.

26. (Currently Amended) A control system as recited in claim 22 25 further comprising a steering wheel angle sensor generating a steering wheel angle signal, said controller programmed to apply brake-steer in response to the reverse direction signal and the steering wheel angle signal.

27. (Currently Amended) A control system as recited in claim 22 25 further comprising a yaw rate sensor generating a yaw rate signal, said controller programmed to apply brake-steer in response to the reverse direction signal and yaw rate signal.

28. (Currently Amended) ~~A control system as recited in claim 22 further comprising:~~ A vehicle comprising:
means to determine a forward direction and generate a forward direction signal;
means to determine a reverse direction and generate a reverse direction signal;
a steering wheel torque sensor generating a steering torque signal; said
controller programmed to apply brake-steer in response to the reverse direction signal; and
a controller coupled to the means to determine a forward direction and the
means to determine a reverse direction, said controller programmed to apply brake-steer to
reduce a turning radius of the vehicle beyond that corresponding to a steering input by the
application of brakes in response to the forward direction signal as a function of the first
threshold and apply brake steer to reduce the turning radius of the vehicle beyond that
corresponding to a steering input by the application of brakes in response to the reverse
direction signal and steering torque signal as a function of the second threshold different than
the first threshold.

29. (Currently Amended) A control system as recited in claim 22 25 further comprising a steering wheel angle sensor generating a steering wheel angle signal and a vehicle velocity sensor generating a vehicle velocity signal, said controller programmed to apply

brake-steer in response to the reverse direction signal and steering wheel angle and vehicle velocity signal.

30. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a forward direction and generate a forward direction signal comprises a shift lever.

31. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a forward direction and generate a forward direction signal comprises a push button.

32. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a forward direction and generate a forward direction signal comprises a transmission controller.

33. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a forward direction and generate a forward direction signal comprises a wheel speed sensor.

34. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a reverse direction and generate a reverse direction signal comprises a shift lever.

35. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a reverse direction and generate a reverse direction signal comprises a push button.

36. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a reverse direction and generate a reverse direction signal comprises a transmission controller.

37. (Currently Amended) A vehicle as recited in claim ~~22~~ 25 wherein means to determine a reverse direction and generate a reverse direction signal comprises a wheel speed sensor.